UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

23494

7590

11/30/2005

TEXAS INSTRUMENTS INCORPORATED P O BOX 655474, M/S 3999 DALLAS, TX 75265

EXAMINER

FILE, ERIN M

ART UNIT PAPER NUMBER

2634

DATE MAILED: 11/30/2005

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/939,134	08/24/2001	Charles K. Sestok IV	TI-32545	2975

TITLE OF INVENTION: TIME DOMAIN EQUALIZER FOR DMT MODULATION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	02/28/2006

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

(571) 273-2885 or <u>Fax</u>

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further cor indicated unless corrected l maintenance fee notification	below or directed otherwise	atent, advance or in Block I, by (a	ders and noti) specifying	ification of maintenance fees a new correspondence address	will be mailed to the current ;; and/or (b) indicating a sep	correspondence address as arate "FEE ADDRESS" for		
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) 23494 7590 11/30/2005				Fee(s) Transmittal. The papers. Each addition	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.			
TEXAS INSTRUMENTS INCORPORATED P O BOX 655474, M/S 3999 DALLAS, TX 75265			Ce					
						(Depositor's name)		
						(Signature)		
						(Date)		
APPLICATION NO.	FILING DATE		FIRST NAME	D INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/939,134	08/24/2001		Charles K.	. Sestok IV	TI-32545	2975		
TITLE OF INVENTION: TI	IME DOMAIN EQUALIZE	R FOR DMT MOD	DULATION					
APPLN. TYPE	SMALL ENTITY	ISSUE FI	EE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE		
nonprovisional	МО	NO \$1400		\$300	\$1700	02/28/2006		
EXAMINER		ART UN	ΙΤ	CLASS-SUBCLASS	ן			
FILE, ERIN M		2634		375-219000	_			
CFR 1.363). Change of correspond Address form PTO/SB/12 "Fee Address" indicat PTO/SB/47; Rev 03-02 of Number is required. 3. ASSIGNEE NAME AND PLEASE NOTE: Unless	r more recent) attached. Use RESIDENCE DATA TO Ban assignee is identified be 37 CFR 3.11. Completion of	Correspondence tion form of a Customer E PRINTED ON T low, no assignee of this form is NOT	(1) the nai or agents (2) the nai registered 2 registere listed, no r	ear on the natent. If an assign	a member a 2nes of up to no name is 3	document has been filed for		
	assignee category or categor		<u> </u>		orporation or other private gr	oup entity Government		
4a. The following fee(s) are	encioscu.		. Payment of	` '	nelocad			
			☐ A check in the amount of the fee(s) is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached.					
Advance Order - # of Copies			The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).					
5. Change in Entity Status	(from status indicated above		Deposit Acci	Outil 14umber	(enclose an extra c	copy of this form).		
a. Applicant claims SM	MALL ENTITY status. See 3	7 CFR 1.27.	☐ b. Applic	ant is no longer claiming SMA	LL ENTITY status. See 37 C	FR 1.27(g)(2).		
The Director of the USPTO NOTE: The Issue Fee and Puinterest as shown by the reco	is requested to apply the Issu ublication Fee (if required) was ords of the United States Pate	e Fee and Publicat ill not be accepted nt and Trademark	ion Fee (if an from anyone Office.	y) or to re-apply any previous e other than the applicant; a reg	ly paid issue fee to the applical istered attorney or agent; or t	ation identified above. he assignee or other party in		
Authorized Signature		-	Date					
Typed or printed name								
This collection of information an application. Confidentialists the completed ap	n is required by 37 CFR 1.31 ty is governed by 35 U.S.C. plication form to the USPTO	1. The information 122 and 37 CFR 1 D. Time will vary	n is required (.14. This col depending up	to obtain or retain a benefit by lection is estimated to take 12 bon the individual case. Any c	the public which is to file (an minutes to complete, includir omments on the amount of ti	d by the USPTO to process) ng gathering, preparing, and me you require to complete		

this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

DATE MAILED: 11/30/2005

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/939,134 08/24/2001		Charles K. Sestok IV	TI-32545	2975
23494	7590 11/30/2005	EXAMINER		
TEXAS INSTRI P O BOX 655474	UMENTS INCORPOR	FILE, E	FILE, ERIN M	
DALLAS, TX 752			ART UNIT	PAPER NUMBER
			2634	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 756 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 756 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571) 272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.